

November 24, 1958

Dr. Tetsuo Iino
National Institute of Genetics
Misima, Japan

Dear Tetsu:

Thank you for your very nice letter.

I am however more pressed for time now than ever before but you can be sure that the manuscript has very first priority and I am going to do the very best that I can. I do appreciate your patience.

I am glad to hear that you are getting your laboratory in order and you certainly have our very best wishes.

But I am really sorry to learn that you have to divert any part of your energy to other problems in which you have less interest. May I make a suggestion? The National Institute of Health here, which in fact supported most of your work in Madison, will occasionally make grants to foreign investigators when there is some evidence that a given line of work can be better done abroad than in the United States. I believe that there would be at least a reasonable possibility of your receiving such a grant in support of the continuation of your work on Salmonella-immuno genetics. The argument, which I would be happy to defend, is that your experience in the United States makes you uniquely qualified to pursue this type of investigation. Unless there are local political reasons against this procedure I would suggest that you communicate immediately with Dr. B. A. Cole, Division of Research Grants, National Institutes of Health, Bethesda 14, Maryland, asking him for the necessary information and application forms. You may by all means mention my name as having instigated this inquiry and I will be very happy to help or advise you in any way possible. I would urge you to write up the application along genetical lines so that it will be reviewed by a new genetics study section (of which in fact I happen to be a member). In my own opinion it would be most unfortunate if work of the very high quality of your own were impeded by unnecessary practical obstacles. I should think you would have little difficulty in getting a grant of from \$8,000 to \$10,000 a year for a period of three to five years and I am sure that such a sum of money would go a very long way indeed. I would suggest that you not construe this as merely an equipment grant, which for some reason the NIH authorities tend to dislike, but as a general support for all aspects of your research program. If you let me know your plans in this respect I will be glad to send you a sample application which may give you some guidance in how these things are written up.

Esther and I would be very pleased if you would agree, as I think you have in principle, to be our central repository and forwarding agency for stock cultures in Eastern Asia. For example, in a little while we are going to send you a group of Gal⁻ test strains for distribution to one of your countrymen who has asked for them. We

would be very interested to have a record of the strains that you may have already acquired or brought with you. I should remember this but I have only a sense of confusion in my own mind as to whether you already left such a record or whether you anticipated writing for any of the cultures that you needed later on. By all means if there is anything that you do need please let us know. As you probably know Professor Kikkawa at Osaka does have a few *E. coli* cultures.

Esther has been spending most of her time lately in trying to develop the *E. coli* x *Salmonella* hybrids. Dr. Baron was very lucky to have found a fertile strain. We went over practically the entire *Salmonella* collection again and could not find a single additional culture which was convincingly fertile in the same way as Dr. Baron's strain is. Esther has developed a number of additional markers and she is now engaged in trying to develop strains of *Salmonella* which are themselves Hfr so as to permit of *Salmonella* by *Salmonella* crosses. So far this has been rather discouraging but we will let you know of any substantial progress.

We have to make a trip to Sweden for about two weeks in early December and then we pack up the laboratory and move in order to be out at Stanford at the end of the present semester in fact by about January 22nd. So you can see we are in somewhat of a rush. However I will be devoting whatever time I can find to the question of the manuscript.

Dr. Atkinson was to have visited us from Australia to do a *Salmonella* problem but we have persuaded her to postpone her visit until we are settled at Stanford. Our mailing address there, effective say about January 15th, will be simply Department of Genetics, Stanford University, Stanford, California.

If we do not have time to do this again our best wishes for the season--a reminder of which happens to be the rather heavy snowfall that met us last night!

As ever,